

Patent Abstracts of Japan

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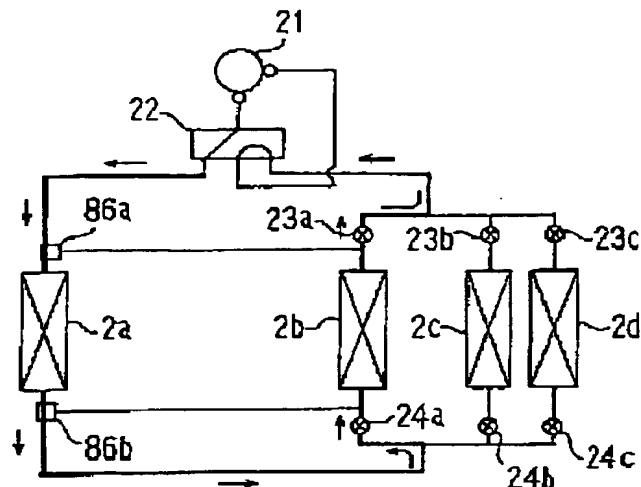
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TITLE : SYSTEM BED



ABSTRACT : **PURPOSE:** To keep the temperature of each section adjustable so as to meet a seasonal condition and a user's physical condition, and improve a convenience for use by installing a plurality of the second heat exchangers of a heat pump air conditioner at one of head, body, leg and other sections of a bed, and controlling the opening of each valve via an operation section.

CONSTITUTION: For a cooling purpose, a refrigerant discharged from a compressor 21 is made to flow from a four-way valve 22 to the first heat exchanger 2a via an operation section. As a result, the refrigerant condensed in the heat exchanger 2a flows to heat exchangers 2b, 2c and 2d therefrom, and evaporates through the absorption of heat from a bed 1. Then, the refrigerant returns to the compressor 21 via the four-way valve 22. Thus, when the operation section is actuated to open the first group of throttle valves 23a, 23b and 23c, and the second throttle valve 24a, and to close the second throttle valves 24b and 24c, for example, the refrigerant flows to the heat exchanger 2b installed at the head section of the bed 1, but not to the heat exchangers 2c and 2d at the body and leg sections to cool the head section.

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